



DECLARATION AND POWER OF ATTORNEY- USA PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled SEMICONDUCTOR PROCESSING APPARATUS COMPRISING CHAMBER PARTITIONED INTO REACTION AND TRANSFER SECTIONS; the specification of which was filed on **February 8, 2002** as Application Serial No. **10/072,620**.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56;

POWER OF ATTORNEY: I hereby appoint the registrants of Knobbe, Martens, Olson & Bear, LLP, 620 Newport Center Drive, Sixteenth Floor, Newport Beach, California 92660, Telephone (949) 760-0404, Customer No. 20,995.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: **Takayuki Yamagishi**

Inventor's signature Takayuki Yamagishi

Date 29 / March / 2002

Residence: 23-1, 6 Chrome, Nagayama, Tama-shi
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Full name of second inventor: **Masaei Suwada**

Inventor's signature Masaei Suwada

Date Mar-29-2002

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Full name of third inventor: **Takeshi Watanabe**

Inventor's signature Takeshi Watanabe

Date 29 / March / 2002

Residence: 23-1, 6 Chrome, Nagayama, Tama-shi
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Application No. 10/072,620
Filing Date February 8, 2002

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ASSIGNMENT

WHEREAS, We, Takayuki Yamagishi, a Japanese citizen, residing in Tokyo, Japan, Masaei Suwada, a Japanese citizen, residing in Tokyo, Japan; Takeshi Watanabe, a Japanese citizen, residing in Tokyo, Japan, have invented certain new and useful improvements in a SEMICONDUCTOR PROCESSING APPARATUS COMPRISING CHAMBER PARTITIONED INTO REACTION AND TRANSFER SECTIONS for which we have filed an application for Letters Patent in the United States, 10/072,620, Filed February 8, 2002;

AND WHEREAS, ASM Japan K.K. (hereinafter "ASSIGNEE"), a Japanese Corporation, with its principal place of business at 23-1, 6-Chome, Nagayama Tama-shi, TOKYO, 206-0025 JAPAN, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, his successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, his successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, his successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, his successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29 day of March, 2002

Takayuki Yamagishi
Takayuki Yamagishi

EXECUTED this 29 day of March, 2002

WITNESS SIGNATURE

[Signature]

Application No.: 10/072620
Filing Date: February 8, 2002

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29 day of March, 2002.

Masaei Suwada.

Masaei Suwada

EXECUTED this 29 day of March, 2002

WITNESS SIGNATURE

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29 day of March, 2002.

Takeshi Watanabe

Takeshi Watanabe

EXECUTED this 29 day of March, 2002

WITNESS SIGNATURE

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